

EFFICACY REVIEW

DATE: IN 7-19-96 OUT 11- 8-96

FILE OR REG. NO. 279-3167

PETITION OR EXP. PERMIT NO. \_\_\_\_\_

DATE DIV. RECEIVED May 28, 1996

DATE OF SUBMISSION May 24, 1996

DATE SUBMISSION ACCEPTED \_\_\_\_\_

TYPE PRODUCT(S): (I,)D, H, F, N, R, S \_\_\_\_\_

DATA ACCESSION NO(S) . 440219-01;D228110;S508703;Case#039959;AC:305

PRODUCT MGR. NO. 13-LaRocca/Hebert

PRODUCT NAME(S) Talstar® GC Granular Insecticide

COMPANY NAME FMC Corporation Agricultural Products Group

SUBMISSION PURPOSE Provide performance data in support of claims of  
imported fire ant control in turfgrass and elec-  
trical transformers with granular formulation.

CHEMICAL & FORMULATION Bifenthrin: (2-methyl[1,1'-biphenyl]-3-yl)-  
methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclo-  
propanecarboxylate\* 0.2%

\*Cis isomers 97% (granular material of unspecified bulk density)  
minimum, trans isomers 3% maximum

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession  
(MRID) Number 440219-01, having been taken from standard field  
testing meeting the requirements of § 95-3(c)(1) and (2)(ii) on p.  
245 and the standard of § 95-3(c)(3)(i) and possibly (ii) on p. 245  
of the Product Performance Guidelines, are adequate to demonstrate  
the ability of the subject product to control red imported fire ant  
(*Solenopsis invicta*) in turfgrass when applied according to label  
rates and directions, and the data on exposure of alate queens is  
adequate to support the label claim for providing six months of re-  
sidual control of foraging imported fire ants and newly mated fly-  
ing queens when applied as a broadcast at a minimum rate of 0.25  
lb. actual per acre. Similar data in the aforementioned volume are  
adequate to demonstrate the ability of the subject product to re-  
duce and prevent fire ant mound building activity on electrical  
transformer pads when applied at the previously mentioned rate and  
up to a maximum equivalent of 0.4 lb. actual per acre.

RL Vern L. McFarland, IRB